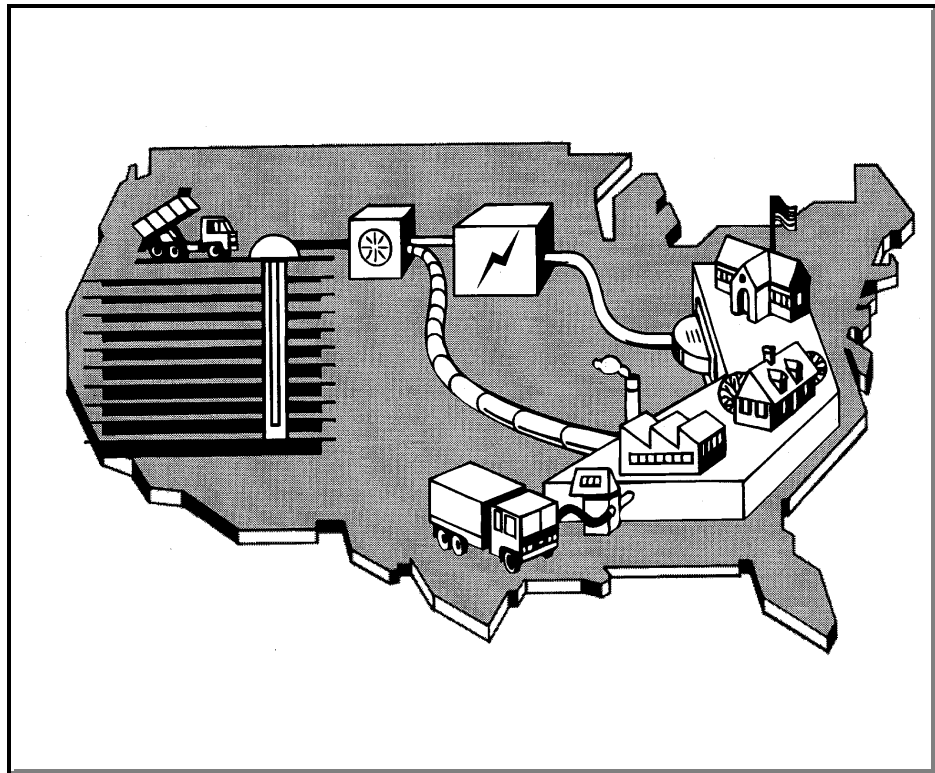




Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of Ohio



EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.²

Shutdown:

- Landfill with shutdown LFGTE project.

Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

¹ Current projects illustrate the wide range of successful project development options.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



Exhibit 1: Ohio MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	6	54	537	17	99,432	52,034	2,088,066	1,092,722
Candidate	29	145	1,447	46	267,690	43,169	5,621,486	906,555
Other	17	45	449	14	83,018	7,709	1,743,370	161,885
Unknown WIP	14							
Total	66	244	2,433	78	450,139	102,913	9,452,921	2,161,163

Exhibit 2: Potential Ohio Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	425,420	349,165	234,784	2,689	2,248	0	299,425	245,755	165,249	2,724	1,432	2
Candidate	1,142,082	937,369	630,300	7,219	6,034	0	806,112	661,620	444,883	7,335	3,856	4
Other	355,174	291,511	196,016	2,245	1,877	0	249,997	205,186	137,970	2,275	1,196	1
Unknown WIP												
Total	1,922,676	1,578,046	1,061,100	12,153	10,158	0	1,355,534	1,112,561	748,101	12,334	6,484	7

Exhibit 3: Index of Landfills in Ohio

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	American LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Bedford #1and #2 LFs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Cuyahoga Regional Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Elda LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Evergreen Recycling & Disposal LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Rumpke SLF, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Ashland County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Athens-Hocking Reclamation Center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	BFI - Carbon Limestone LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	BFI - Lorain County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	BFI - Ottawa County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Bigfoot Run SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Celina	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	City of St. Marys LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Cleveland Land Development LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Countywide Recycling & Disposal LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Crawford County Sanitary LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Defiance County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Doherty LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Erie County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Franklin County SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Hancock County Sanitary LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Hardy Road LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Hoffman Road Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Huron County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Kimble Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Laidlaw Waste Systems LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Lake County Solid Waste LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Mt. Eaton East LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Rumpke Waste, Inc. LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Tremont LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Vienna Junction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Williams County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Wood County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Wyandot Sanitary LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Other	BFI - Willowcreek LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	City of East Liverpool LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	City Westlake LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	City Xenia LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in Ohio

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Crossridge LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Fairfield Sanitary LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Fowler LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Glenwillow Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Henry County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Holmes County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Middletown City LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Miller City LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Putnam County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Rossford LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Royalton Road Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Scioto Sanitation LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Triangle LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Akron LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Brown Brothers LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Buckeye Reclamation LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Brooklyn LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Gallia County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Hardin County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Montgomery County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Nicky Boulevard LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Pike Sanitation LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Preble County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Reserve Environmental Services LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	State Wide LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Village Cedarville LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

American LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	American Landfill	Annual Acceptance Rate (tons):	1,280,763
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Waynesburg	Acres Currently Landfilled (acres):	90
County:	Stark	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	14,157,332
Year Open:	1975	1998 Waste-in-Place (tons):	15,444,362
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		4.37	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	several customers		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	14		137
Current Capacity:			
Planned Capacity:			
Utilities in County: Beach City Board of Public Affairs; Brewster Muni Electric; Carroll Electric Coop Inc; Holmes-Wayn			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	25,256		0
CO2 Equivalent of CH4 Reduction (tons/yr):	530,368		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	108,131	684	76,054 692
Fuel Oil:	88,749	571	62,422 364
Natural Gas:	59,676	0	41,973 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:	One American Way	One American Way	
Phone Number:	216-856-8800	216-856-8800	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Ashland County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Ashland County Commission	Annual Acceptance Rate (tons):	40,676	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Ashland	Acres Currently Landfilled (acres):	45	
County:	Ashland	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	1,099,797	
Year Open:	1971	1998 Waste-in-Place (tons):	1,142,097	
Year Closed:	1997			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.71		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		22	
Current Capacity:				
Planned Capacity:	.8		5	
Utilities in County: Firelands Electric Coop Inc; Holmes-Wayne Electric Coop Inc; Licking Rural Electric Inc; Lorain Me				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,106		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	86,218		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	17,364	110	12,363	113
Fuel Oil:	14,252	92	10,147	59
Natural Gas:	9,583	0	6,823	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Robert Valentine			
Mailing Address:	110 Cottage Street			
Phone Number:	419-289-0000			
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Athens-Hocking Reclamation Center			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Kilbarger Construction, Inc.	Annual Acceptance Rate (tons):	65,981	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Kilbarger LF	Design Capacity (tons):	469,119	
City:	Nelsonville	Acres Currently Landfilled (acres):	35	
County:	Athens	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	1,056,530	
Year Open:	1983	1998 Waste-in-Place (tons):	1,207,464	
Year Closed:	2009			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.73		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		23	
Current Capacity:				
Planned Capacity:				
Utilities in County: Buckeye Rural Electric Coop Inc; Columbus Southern Power Co; Glouster Water & Electric Dept; Oh				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,202		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	88,246		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,153	115	12,654	115
Fuel Oil:	14,899	96	10,386	61
Natural Gas:	10,019	0	6,984	0
E. CONTACT INFORMATION				
Landfill Owner			Landfill Operator	
Contact Name:	Dan Stohs	Dan Stohs		
Mailing Address:	PO Box 946	PO Box 946		
Phone Number:	614-385-6019	614-385-9684		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	806,578
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Poland	Acres Currently Landfilled (acres):	
County:	Mahoning	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	18,575,447
Year Open:	1969	1998 Waste-in-Place (tons):	19,902,264
Year Closed:	2029		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	5.51
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	17		
Current Capacity:			
Planned Capacity:			

Utilities in County: Ohio Edison Company; Ohio Power Company

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	31,848	0
CO2 Equivalent of CH4 Reduction (tons/yr):	668,806	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	135,756 858	95,906 873
Fuel Oil:	111,422 717	78,715 459
Natural Gas:	74,922 0	52,929 1

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Pete Stear	Pete Stear
Mailing Address:	8100 South Stateline Rd.	8100 South Stateline Rd.
Phone Number:	216-536-8013	216-536-8013
Fax Number:		

* *Italicized indicates values estimated by EPA.*

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	589,470
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Brotherton LF	Design Capacity (tons):	
City:	Oberlin	Acres Currently Landfilled (acres):	
County:	Lorain	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	12,529,697
Year Open:	1974	1998 Waste-in-Place (tons):	13,619,235
Year Closed:	2000		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	3.90
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:		Unknown	
Utilization System Type:		Unknown	
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	12		122
Current Capacity:			
Planned Capacity:			

Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	22,557	0
CO2 Equivalent of CH4 Reduction (tons/yr):	473,689	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	96,292 609	67,926 618
Fuel Oil:	79,032 509	55,751 325
Natural Gas:	53,142 0	37,488 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Dave Mathews	
Mailing Address:	43502 Route 20 East	43502 Route 20 East
Phone Number:	216-775-2984	216-774-4060
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	144,140
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Port Clinton	Acres Currently Landfilled (acres):	84
County:	Ottawa	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	6,032,659
Year Open:	1970	1998 Waste-in-Place (tons):	6,479,522
Year Closed:	2002		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	2.08
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:	
Utilization System Status:	Unknown
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	
Capacity:	Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7
Current Capacity:	65
Planned Capacity:	

Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	11,999	0
CO2 Equivalent of CH4 Reduction (tons/yr):	251,969	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	51,303 324	36,132 329
Fuel Oil:	42,107 271	29,655 173
Natural Gas:	28,313 0	19,941 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	David Vossmer	David Vossmer
Mailing Address:	530 North Camp Road	530 North Camp Road
Phone Number:	419-635-2367	419-626-2454
Fax Number:		

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Bedford #1and #2 LFs		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	20,117
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Bedford #1 Sanitary LF	Design Capacity (tons):	
City:	Columbus	Acres Currently Landfilled (acres):	28
County:	Franklin	Average Depth (feet):	70
State:	OH	1994 Waste-in-Place (tons):	2,664,190
Year Open:	1975	1998 Waste-in-Place (tons):	2,828,380
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.14	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):		2.0	
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		36
Current Capacity:	1.6		42
Planned Capacity:			
Utilities in County:	Columbus Div of Elec; Columbus Southern Power Co; Delaware Rural Elec Coop Inc; Licking Rural		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	Potential	Current	
Methane Reduction (tons/yr):	6,599	7,709	
CO2 Equivalent of CH4 Reduction (tons/yr):	138,583	161,885	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project	
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)	
Coal:	28,414 180	19,873 181	
Fuel Oil:	23,321 150	16,311 95	
Natural Gas:	15,681 0	10,968 0	
E. CONTACT INFORMATION			
	Landfill Owner	Landfill Operator	
Contact Name:	Phillip Tefft	Phillip Tefft	
Mailing Address:	PO Box 360418	PO Box 360418	
Phone Number:	614-866-3300	614-866-3300	
Fax Number:			

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Bigfoot Run SLF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	BFI	Annual Acceptance Rate (tons):	688,073
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Morrow	Acres Currently Landfilled (acres):	
County:	Warren	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	10,107,852
Year Open:	1970	1998 Waste-in-Place (tons):	10,107,852
Year Closed:	1996		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		3.00	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	9		94
Current Capacity:			
Planned Capacity:			
Utilities in County: Cincinnati Gas & Electric Co; Dayton Power & Light Co; Delaware Rural Elec Coop Inc; Lebanon M			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	17,364		0
CO2 Equivalent of CH4 Reduction (tons/yr):	364,644		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	74,192	469	52,289 476
Fuel Oil:	60,893	392	42,917 250
Natural Gas:	40,946	0	28,858 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Rob Dolder		
Mailing Address:	2420 East Mason-Morrow-Millgrove Rd	2420 Mason-Morrow-Millgrove Rd	
Phone Number:	513-651-2942	513-651-2910	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Celina		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Allied Waste Industries	Annual Acceptance Rate (tons):
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported: 1998
Alternative Landfill Name:		Design Capacity (tons):
City:	Celina	Acres Currently Landfilled (acres):
County:		Average Depth (feet):
State:	OH	1998 Waste-in-Place (tons):
Year Open:		1998 Waste-in-Place (tons):
Year Closed:		
B. LANDFILL GAS COLLECTION		
<i>Estimated Methane Generation (mmscf/d):</i>		
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG: No		
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Potential	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>		
Current Capacity:		
Planned Capacity:		
Utilities in County:		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		
E. CONTACT INFORMATION		
Landfill Owner		Landfill Operator
Contact Name:	Brad Green	
Mailing Address:	6141 Depweg Rd.	
Phone Number:	419-925-4592	
Fax Number:		

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City of St. Marys LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Saint Marys Refuse Department	Annual Acceptance Rate (tons):	28,523
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	St. Marys	Acres Currently Landfilled (acres):	80
County:	Auglaize	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	1,142,214
Year Open:	1965	1998 Waste-in-Place (tons):	1,213,603
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.70	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		22
Current Capacity:			
Planned Capacity:			
Utilities in County: Dayton Power & Light Co; Midwest Electric Inc; Minster Utilities Dept; New Bremen Utilities; New			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,048		0
CO2 Equivalent of CH4 Reduction (tons/yr):	85,010		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	17,364	110	12,190 111
Fuel Oil:	14,252	92	10,005 58
Natural Gas:	9,583	0	6,728 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Mike Dealamanow	Todd Fleagle	
Mailing Address:	101 East Spring Street	101 East Spring Street	
Phone Number:	419-394-3303	419-394-4800	
Fax Number:			

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Cleveland Land Development LF				Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:		Annual Acceptance Rate (tons):	116,896	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Harry Rock LF	Design Capacity (tons):		
City:	Brooklyn Heights	Acres Currently Landfilled (acres):	48	
County:	Cuyahoga	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	2,985,302	
Year Open:	1970	1998 Waste-in-Place (tons):	2,985,302	
Year Closed:	1995			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	1.18			
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	4		37	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Cleveland Electric Illum Co; Cleveland Public Power			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	6,831		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	143,457		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
Coal:	29,203	185	20,572	187
Fuel Oil:	23,969	154	16,884	98
Natural Gas:	16,117	0	11,353	0
E. CONTACT INFORMATION				
Landfill Owner			Landfill Operator	
Contact Name:			Larry Parsons	
Mailing Address:	4900 Woodland Avenue		1329 East Schaaf Road	
Phone Number:	216-361-2000		216-741-7311	
Fax Number:				

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Countywide Recycling & Disposal LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	530,607	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):		
City:	East Sparta	Acres Currently Landfilled (acres):		
County:	Stark	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	8,238,436	
Year Open:	1968	1998 Waste-in-Place (tons):	8,522,520	
Year Closed:	1997			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		2.60		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		Yes		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	High Btu			
Utilization System Start Year:				
Electric Utility Provider(s):	Unknown			
Natural Gas Provider(s):	Unknown			
Energy Purchaser(s):	Unknown			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	8		81	
Current Capacity:				
Planned Capacity:				
Utilities in County: Beach City Board of Public Affairs; Brewster Muni Electric; Carroll Electric Coop Inc; Holmes-Wayn				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	15,020		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	315,414		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	63,931	404	45,230	412
Fuel Oil:	52,472	338	37,123	216
Natural Gas:	35,283	0	24,962	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Tim Vandersall, Director, EH&S	Dan Fess		
Mailing Address:	3619 Gracemont Street SW	3619 Gracemont Street SW		
Phone Number:	330-874-3855	330-874-3855		
Fax Number:		330-874-2426		

* *Italicized indicates values estimated by EPA.*

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Crawford County Board of Commissioners	Annual Acceptance Rate (tons):	54,625
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Bucyrus	Acres Currently Landfilled (acres):	24
County:	Crawford	Average Depth (feet):	15
State:	OH	Waste-in-Place (tons):	1,562,265
Year Open:	1969	1998 Waste-in-Place (tons):	1,673,856
Year Closed:	2011		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	0.85
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:		Potential	
Utilization System Type:		Unknown	
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		26
Current Capacity:			
Planned Capacity:			

Utilities in County: Galion Light & Power Dept; Marion Rural Electric Coop Inc; North Central Elec Coop Inc; Ohio Edis

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	4,892	0
CO2 Equivalent of CH4 Reduction (tons/yr):	102,730	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	20,521 130	14,731 134
Fuel Oil:	16,843 108	12,091 71
Natural Gas:	11,325 0	8,130 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Jerry Reidel	Robert Murray
Mailing Address:	112 East Mansfield Street	5128 Lincoln Highway East
Phone Number:	419-562-5876	419-562-5816
Fax Number:		

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Cuyahoga Regional Sanitary LF			Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Mid-America	Annual Acceptance Rate (tons):	844,632	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Inland/Solon Landfill	Design Capacity (tons):		
City:	Solon	Acres Currently Landfilled (acres):		
County:	Cuyahoga	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	8,200,330	
Year Open:	1972	1998 Waste-in-Place (tons):	8,200,330	
Year Closed:	1996			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		2.52		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Construction			
Utilization System Type:	Reciprocating Engine			
Utilization System Start Year:	1998			
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	8		79	
Current Capacity:				
Planned Capacity:				
Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	14,543		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	305,407		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	62,353	394	43,795	399
Fuel Oil:	51,176	329	35,945	210
Natural Gas:	34,412	0	24,170	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:		Timothy Haaf		
Mailing Address:	6315 Sam Center Road	28625 Ambina Drive		
Phone Number:	216-248-7703	216-498-5700		
Fax Number:				

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Defiance County LF		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	59,231
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Webb Brothers LF	Design Capacity (tons):	
City:	Defiance	Acres Currently Landfilled (acres):	55
County:	Defiance	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	2,548,679
Year Open:	1971	1998 Waste-in-Place (tons):	2,744,731
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.12		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Not Interested		
Utilization System Start Year:	Not Interested		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		35
Current Capacity:			
Planned Capacity:			
Utilities in County:	North Western Elec Coop Inc; Ohio Power Company; Paulding-Putnam Elec Coop Inc; Toledo Edison		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,476		0
CO2 Equivalent of CH4 Reduction (tons/yr):	135,986		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	27,625	175	19,500 177
Fuel Oil:	22,673	146	16,005 93
Natural Gas:	15,246	0	10,762 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Timothy J. Houck	
Mailing Address:	500 Court Street	13207 Canal Road	
Phone Number:	419-782-4761	419-782-5442	
Fax Number:			

* Italicized indicates values estimated by EPA.

Doherty LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Doherty Sanitary LF, Inc.	Annual Acceptance Rate (tons):	70,758
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Geneva	Acres Currently Landfilled (acres):	
County:	Ashtabula	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	1,462,491
Year Open:	1978	1998 Waste-in-Place (tons):	1,616,437
Year Closed:	2008		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.83	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:			
Utilities in County: Carroll Electric Coop Inc; Cleveland Electric Illum Co; Ohio Edison Company; South Central Power			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,807		0
CO2 Equivalent of CH4 Reduction (tons/yr):	100,947		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	20,521	130	14,476 132
Fuel Oil:	16,843	108	11,881 69
Natural Gas:	11,325	0	7,989 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	John Doherty	John Doherty	
Mailing Address:	2581 Tuttle Road	2581 Tuttle Road	
Phone Number:	216-466-4735	216-466-7702	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Elda LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Annual Acceptance Rate (tons):		552,811
Landfill Owner Type:	Year Annual Acceptance Rate Reported:		1993
Alternative Landfill Name:	Elda Recycling and Disposal LF	Design Capacity (tons):	
City:	Cincinnati	Acres Currently Landfilled (acres):	126
County:	Hamilton	Average Depth (feet):	100
State:	OH	1994 Waste-in-Place (tons):	9,699,780
Year Open:	1971	1998 Waste-in-Place (tons):	10,749,451
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.17		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.5		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1988		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	10		99
Current Capacity:			52
Planned Capacity:			
Utilities in County:	Butler Rural Electric Coop Inc; Carroll Electric Coop Inc; Cincinnati Gas & Electric Co; Pioneer Rur		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	18,313		9,636
CO2 Equivalent of CH4 Reduction (tons/yr):	384,569		202,356
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	78,138	494	55,147 502
Fuel Oil:	64,132	413	45,262 264
Natural Gas:	43,124	0	30,435 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		John Stark	
Mailing Address:	933 Frank Road	933 Frank Road	
Phone Number:	614-272-0066	614-272-0066	
Fax Number:			

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Erie County Commissioners	Annual Acceptance Rate (tons):	72,423
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Milan	Acres Currently Landfilled (acres):	128
County:	Erie	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	2,106,641
Year Open:	1969	1998 Waste-in-Place (tons):	2,257,116
Year Closed:	2002		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		
Current Capacity:			
Planned Capacity:			

Utilities in County: Firelands Electric Coop Inc; Hancock-Wood Electric Coop Inc; Lorain Medina R E C Inc; Milan Mun

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):		5,754		0
CO2 Equivalent of CH4 Reduction (tons/yr):		120,842		0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	24,468	155	17,329	158
Fuel Oil:	20,082	129	14,223	83
Natural Gas:	13,503	0	9,564	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Dave Paulson	Jack Meyers
Mailing Address:	2900 South Columbus Avenue P.O. Box 1180	2900 S Columbus Avenue
Phone Number:	419-627-7672	419-433-7303
Fax Number:		

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Evergreen Recycling & Disposal LF		Landfill Category: Current
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Annual Acceptance Rate (tons):	675,119
Landfill Owner Type:	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name: Evergreen LF	Design Capacity (tons):	
City: Northwood	Acres Currently Landfilled (acres):	
County: Wood	Average Depth (feet):	
State: OH	Waste-in-Place (tons):	9,005,836
Year Open: 1973	1998 Waste-in-Place (tons):	9,756,323
Year Closed: 2013		
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):	2.91	
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:	No	
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Construction	
Utilization System Type:	Boiler	
Utilization System Start Year:	1999	
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	9	91
Current Capacity:		
Planned Capacity:		
Utilities in County:	Bloomdale Muni Lt & Power Dept; Bowling Green Elec Dept; Bradner Munic Elec Light & Water D	
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	16,844	0
CO2 Equivalent of CH4 Reduction (tons/yr):	353,728	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i> CO2 (tons/yr) SO2 (tons/yr)	<i>Direct Use Project</i> CO2 (tons/yr) SO2 (tons/yr)
Coal:	71,824 454	50,724 462
Fuel Oil:	58,950 379	41,632 243
Natural Gas:	39,639 0	27,994 0
E. CONTACT INFORMATION		
	Landfill Owner	Landfill Operator
Contact Name:	John Barbush	John Barbush
Mailing Address:	2625 East Broadway	2625 East Broadway
Phone Number:	419-666-5136	419-666-5136
Fax Number:		

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Franklin County SLF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Franklin County	Annual Acceptance Rate (tons):	430,460	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996	
Alternative Landfill Name:		Design Capacity (tons):	29,800,000	
City:	Grove City	Acres Currently Landfilled (acres):	116	
County:	Franklin	Average Depth (feet):		
State:	OH	1997 Waste-in-Place (tons):	6,400,000	
Year Open:	1985	1998 Waste-in-Place (tons):	7,040,000	
Year Closed:	2000			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		2.22		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	7		69	
Current Capacity:				
Planned Capacity:				
Utilities in County: Columbus Div of Elec; Columbus Southern Power Co; Delaware Rural Elec Coop Inc; Licking Rural				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	12,827		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	269,373		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	54,460	344	38,628	352
Fuel Oil:	44,698	288	31,704	185
Natural Gas:	30,056	0	21,318	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Rick Dodge			
Mailing Address:	3851 London Groveport Rd.	3851 London Groveport Rd.		
		Suite 203		
Phone Number:	614-871-9528	614-871-9528		
Fax Number:				

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Hancock County Commissioners	Annual Acceptance Rate (tons):	72,270
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Findlay	Acres Currently Landfilled (acres):	30
County:	Hancock	Average Depth (feet):	
State:	OH	1998 Waste-in-Place (tons):	4,000,000
Year Open:	1969	1998 Waste-in-Place (tons):	4,000,000
Year Closed:	2065		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.44
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		45
Current Capacity:			
Planned Capacity:			

Utilities in County: Hancock-Wood Electric Coop Inc; North Central Elec Coop Inc; Ohio Power Company; United Rural

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	8,332	0
CO2 Equivalent of CH4 Reduction (tons/yr):	174,968	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	35,517 225	25,090 228
Fuel Oil:	29,151 188	20,593 120
Natural Gas:	19,602 0	13,847 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Scott Strahley	Scott Strahley
Mailing Address:	300 South Main Street	300 South Main Street
Phone Number:	419-424-7044	419-424-7044
Fax Number:		

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Hardy Road LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	364,179
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Akron	Acres Currently Landfilled (acres):	
County:	Summit	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	6,014,112
Year Open:	1969	1998 Waste-in-Place (tons):	6,443,691
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		2.07	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Medium Btu		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7		65
Current Capacity:			
Planned Capacity:			
Utilities in County: Cleveland Electric Illum Co; Cuyahoga Falls Elec Syst; Hudson Muni Electric Dept; Ohio Edison Com			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	11,946		0
CO2 Equivalent of CH4 Reduction (tons/yr):	250,856		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	51,303	324	35,972 327
Fuel Oil:	42,107	271	29,524 172
Natural Gas:	28,313	0	19,853 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Kenneth Kostura	Kenneth Kostura	
Mailing Address:	166 South High Street Room 201	166 South High Street Room 201	
Phone Number:	216-375-2270	216-375-2270	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Hoffman Road Sanitary LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Annual Acceptance Rate (tons):	177,104
Landfill Owner Type:	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Design Capacity (tons):	
City: Toledo	Acres Currently Landfilled (acres):	
County: Lucas	Average Depth (feet):	
State: OH	Waste-in-Place (tons):	6,344,510
Year Open: 1974	1998 Waste-in-Place (tons):	6,896,208
Year Closed: 2004		
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):	2.18	
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:	No	
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Planned	
Utilization System Type:	Direct Thermal	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7	68
Current Capacity:		
Planned Capacity:		
Utilities in County:	Toledo Edison Company; TriCounty Rural Elec Coop Inc	
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	12,615	0
CO2 Equivalent of CH4 Reduction (tons/yr):	264,909	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i> CO2 (tons/yr) SO2 (tons/yr)	<i>Direct Use Project</i> CO2 (tons/yr) SO2 (tons/yr)
Coal:	53,671 339	37,987 346
Fuel Oil:	44,051 284	31,178 182
Natural Gas:	29,620 0	20,965 0
E. CONTACT INFORMATION		
	Landfill Owner	Landfill Operator
Contact Name:	Mr. K. E. Newrones	Mike Justen, P.E., Commissioner
Mailing Address:	2411 Albion Street	2411 Albion Street
Phone Number:	419-936-2510	419-936-3077
Fax Number:		

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Huron County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Huron County Commissioners	Annual Acceptance Rate (tons):	36,006
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Willard	Acres Currently Landfilled (acres):	
County:	Huron	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	1,464,341
Year Open:	1969	1998 Waste-in-Place (tons):	1,568,937
Year Closed:	2008		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.82	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:			
Utilities in County: Firelands Electric Coop Inc; Greenwich Water & Light Dept; Lorain Medina R E C Inc; Monroeville			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,737		0
CO2 Equivalent of CH4 Reduction (tons/yr):	99,473		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	20,521	130	14,264 130
Fuel Oil:	16,843	108	11,707 68
Natural Gas:	11,325	0	7,872 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Peter Welch	Peter Welch	
Mailing Address:	180 Milan Avenue	180 Milan Avenue	
Phone Number:	419-668-3092	419-774-2413	
Fax Number:			

Kimble Sanitary LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	364,179
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Dover	Acres Currently Landfilled (acres):	20
County:	Tuscarawas	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	6,611,084
Year Open:	1976	1998 Waste-in-Place (tons):	7,240,711
Year Closed:	2027		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	2.27		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7		71
Current Capacity:			
Planned Capacity:			
Utilities in County:	Carroll Electric Coop Inc; Dover, City of; Frontier Power Company; Guernsey-Muskingum El Coop In		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	13,124		0
CO2 Equivalent of CH4 Reduction (tons/yr):	275,606		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	56,039	354	39,522 360
Fuel Oil:	45,994	296	32,438 189
Natural Gas:	30,927	0	21,811 0
E. CONTACT INFORMATION			
	Landfill Owner	Landfill Operator	
Contact Name:	Floyd Kimble	Floyd Kimble	
Mailing Address:	Route 1 Box 386	Route 1 Box 386	
Phone Number:	216-343-1226	216-339-5111	
Fax Number:			

* Italicized indicates values estimated by EPA.

Laidlaw Waste Systems LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Allied Waste (old LWS)	Annual Acceptance Rate (tons):	360,827	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Allied Waste Systems LF, Cherokee Run LF	Design Capacity (tons):		
City:	Bellefontaine	Acres Currently Landfilled (acres):	90	
County:	Logan	Average Depth (feet):		
State:	OH	1998 Waste-in-Place (tons):	6,000,000	
Year Open:	1972	1998 Waste-in-Place (tons):	6,000,000	
Year Closed:	2012			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.95		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):		11.2		
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Planned			
Utilization System Type:	Leachate Evaporation			
Utilization System Start Year:	1999			
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):	TBD			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	6		61	
Current Capacity:				
Planned Capacity:			233	
Utilities in County: Dayton Power & Light Co; Lakeview Munic Water & Light System; Logan Cnty Coop P&L Assn Inc;				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	11,289		43,169	
CO2 Equivalent of CH4 Reduction (tons/yr):	237,077		906,555	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	48,146	304	33,996	309
Fuel Oil:	39,516	254	27,903	163
Natural Gas:	26,571	0	18,762	0
E. CONTACT INFORMATION				
Landfill Owner			Landfill Operator	
Contact Name:	Todd Bumgardner	Jerry Ross		
Mailing Address:	2946 US Route 86, North PO Box 100	2946 US Route 86, North PO Box 100		
Phone Number:	513-593-3566	513-593-3566		
Fax Number:				

* *Italicized indicates values estimated by EPA.*

Lake County Solid Waste LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Lake County	Annual Acceptance Rate (tons):	181,932	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Painesville	Acres Currently Landfilled (acres):	200	
County:	Lake	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	6,182,088	
Year Open:	1973	1998 Waste-in-Place (tons):	6,697,262	
Year Closed:	2006			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		2.13		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Leachate Evaporation			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	7		67	
Current Capacity:				
Planned Capacity:				
Utilities in County: Cleveland Electric Illum Co; Painesville Elec Division; Pioneer Rural Elec Coop Inc; South Central P				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	12,321		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	258,731		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	52,882	334	37,102	338
Fuel Oil:	43,403	279	30,451	178
Natural Gas:	29,185	0	20,476	0
E. CONTACT INFORMATION				
Landfill Owner			Landfill Operator	
Contact Name:	John Radebauth	Gary Kron		
Mailing Address:	105 Main Street PO Box 490	105 Main Street PO Box 490		
Phone Number:	216-350-2745	216-350-2644		
Fax Number:				

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Wayne County	Annual Acceptance Rate (tons):	111,493
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	131
City:	Mt. Eaton	Acres Currently Landfilled (acres):	40
County:	Wayne	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	4,544,358
Year Open:	1969	1998 Waste-in-Place (tons):	4,868,955
Year Closed:	1998		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.66
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:		Potential	
Utilization System Type:		Unknown	
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		52
Current Capacity:			
Planned Capacity:			

Utilities in County: Holmes-Wayne Electric Coop Inc; Lorain Medina R E C Inc; Marshallville Muni Utils; Ohio Edison C

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	9,617	0
CO2 Equivalent of CH4 Reduction (tons/yr):	201,953	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	41,042 259	28,960 264
Fuel Oil:	33,686 217	23,769 139
Natural Gas:	22,651 0	15,983 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Jerry Herman	Jerry Herman, Director
Mailing Address:	428 West Liberty Street	428 West Liberty Street
Phone Number:	330-287-5424	330-287-5424
Fax Number:		

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Rumpke SLF, Inc.		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Rumpke Sanitary Landfill, Inc.	Annual Acceptance Rate (tons):	2,920,000
Landfill Owner Type:	private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Cincinnati Regional Refuse Facility; Hamilto	Design Capacity (tons):	
City:	Cincinnati	Acres Currently Landfilled (acres):	128
County:	Hamilton	Average Depth (feet):	
State:	OH	1998 Waste-in-Place (tons):	11,500,000
Year Open:	1965	1998 Waste-in-Place (tons):	11,500,000
Year Closed:	2004		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.09		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):	9.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	High Btu		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):	Cincinnati Gas and Electric Company		
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	10		97
Current Capacity:			188
Planned Capacity:			
Utilities in County:	Butler Rural Electric Coop Inc; Carroll Electric Coop Inc; Cincinnati Gas & Electric Co; Pioneer Rur		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	17,877		34,690
CO2 Equivalent of CH4 Reduction (tons/yr):	375,411		728,482
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	76,560	484	53,833 490
Fuel Oil:	62,837	405	44,184 258
Natural Gas:	42,252	0	29,710 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Bruce Schmucker	Bruce Schmucker	
Mailing Address:	10795 Hughes Road	10795 Hughes Road	
Phone Number:	513-851-9970	513-851-0122	
Fax Number:		513-595-8224	

* *Italicized indicates values estimated by EPA.*

Rumpke Waste, Inc. LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Rumpke Waste, Inc.	Annual Acceptance Rate (tons):	112,718
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Georgetown LF	Design Capacity (tons):	3,400,000
City:	Georgetown	Acres Currently Landfilled (acres):	
County:	Brown	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	
Year Open:	1983	1998 Waste-in-Place (tons):	1,518,811
Year Closed:	2003		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.81	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		25
Current Capacity:			
Planned Capacity:			
Utilities in County: Adams Rural Electric Coop Inc; Cincinnati Gas & Electric Co; Columbus Southern Power Co; George			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,663		0
CO2 Equivalent of CH4 Reduction (tons/yr):	97,915		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	19,732	125	14,041 128
Fuel Oil:	16,195	104	11,524 67
Natural Gas:	10,890	0	7,749 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	William Rumpke	Bruce Schmucker	
Mailing Address:	10795 Hughes Road	10795 Hughes Road	
Phone Number:	513-851-0122	513-851-0122	
Fax Number:			

* Italicized indicates values estimated by EPA.

Tremont LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Davis	Annual Acceptance Rate (tons):	44,549
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Springfield	Acres Currently Landfilled (acres):	80
County:	Clark	Average Depth (feet):	
State:	OH	Waste-in-Place (tons):	4,720,924
Year Open:	1969	1998 Waste-in-Place (tons):	4,720,924
Year Closed:	1994		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.63	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		51
Current Capacity:			
Planned Capacity:			
Utilities in County: Dayton Power & Light Co; Ohio Edison Company; Pioneer Rural Elec Coop Inc; South Vienna Board			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	9,398		0
CO2 Equivalent of CH4 Reduction (tons/yr):	197,356		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	40,253	254	28,301 258
Fuel Oil:	33,038	213	23,228 135
Natural Gas:	22,215	0	15,619 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Rod Christian	Rod Christian	
Mailing Address:	3108 Snyder-Domer Road	3108 Snyder-Domer Road	
Phone Number:	937-298-0428	513-969-8639	
Fax Number:			

* Italicized indicates values estimated by EPA.

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Design Capacity (tons):	
City: Toledo	Acres Currently Landfilled (acres):	
County:	Average Depth (feet):	
State: OH	1998 Waste-in-Place (tons):	
Year Open:	1998 Waste-in-Place (tons):	
Year Closed:		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status: Potential

Utilization System Type: Medium Btu

Utilization System Start Year: 1996

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

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Williams County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Allied Waste	Annual Acceptance Rate (tons):	132,220	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Bryan	Acres Currently Landfilled (acres):	60	
County:	Williams	Average Depth (feet):		
State:	OH	Waste-in-Place (tons):	4,973,752	
Year Open:	1969	1998 Waste-in-Place (tons):	5,151,386	
Year Closed:	1997			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.74		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	5		54	
Current Capacity:				
Planned Capacity:				
Utilities in County: Bryan Muni Lt & Water Utilities; Columbus Southern Power Co; Edgerton Utilities; Montpelier Mun				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	10,035		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	210,725		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	42,621	269	30,217	275
Fuel Oil:	34,981	225	24,801	145
Natural Gas:	23,522	0	16,677	0
E. CONTACT INFORMATION				
Landfill Owner			Landfill Operator	
Contact Name:	Chuck Clouser	John Melcher		
Mailing Address:	12359 County Rd. G	1515 Harmon Avenue		
Phone Number:	419-636-2242	614-445-8141		
Fax Number:				

* Italicized indicates values estimated by EPA.

Wood County LF			Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Wood County Solid Waste District	Annual Acceptance Rate (tons):	31,611
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Bowling Green	Acres Currently Landfilled (acres):	29
County:	Wood	Average Depth (feet):	
State:	OH	1998 Waste-in-Place (tons):	700,000
Year Open:	1969	1998 Waste-in-Place (tons):	700,000
Year Closed:	2014		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.25	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		8
Current Capacity:			
Planned Capacity:			
Utilities in County: Bloomdale Muni Lt & Power Dept; Bowling Green Elec Dept; Bradner Munic Elec Light & Water D			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		Current
Methane Reduction (tons/yr):	1,430		0
CO2 Equivalent of CH4 Reduction (tons/yr):	30,036		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
<i>Coal:</i>	6,314	40	4,307 39
<i>Fuel Oil:</i>	5,182	33	3,535 21
<i>Natural Gas:</i>	3,485	0	2,377 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Ken Rieman	419-354-9277	
Mailing Address:	440 E. Poe Road Suite 103		
Phone Number:	q		
Fax Number:			

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Wyandot Sanitary LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	American Disposal	Annual Acceptance Rate (tons): 224,417
Landfill Owner Type:		Year Annual Acceptance Rate Reported: 1993
Alternative Landfill Name:		Design Capacity (tons):
City:	Carey	Acres Currently Landfilled (acres): 140
County:	Wyandot	Average Depth (feet):
State:	OH	Waste-in-Place (tons): 1,922,022
Year Open:	1968	1998 Waste-in-Place (tons): 2,054,575
Year Closed:	2020	
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):		0.94
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:		No
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Potential	
Utilization System Type:	Reciprocating Engine	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):	Ohio Power	
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3	30
Current Capacity:		
Planned Capacity:		
Utilities in County: Carey Light & Power Dept; Hancock-Wood Electric Coop Inc; Marion Rural Electric Coop Inc; North		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	5,455	0
CO2 Equivalent of CH4 Reduction (tons/yr):	114,553	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,889 145	16,427 150
Fuel Oil:	18,786 121	13,482 79
Natural Gas:	12,632 0	9,066 0
E. CONTACT INFORMATION		
	Landfill Owner	Landfill Operator
Contact Name:	Ted Niura	Richard Carnoll
Mailing Address:	11164 County Highway 4	Wyandot Sanitary LF 11164 C.R. 4
Phone Number:	419-396-3581	419-396-3581
Fax Number:		

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